

## CLAIMS

### Claim 1

What I claim as my invention is: Detectable automatic braking system(s) used for motor/engine vehicle(s)/transportation(s) of any kind(s) including automobile(s), car(s), truck(s), bus(es), van(s), train(s), tank(s), motorcycle(s), airplane(s), ship(s)~, including:

sensor(s)/radar(s) or detectable device(s) equipping in the front (top) of vehicle/transportation and at its rear (top) part for sensing/detecting at a distance between two vehicles or obstruction, sensor(s)/radar(s) sending information to switch braking unit on to brake the car/transportation automatically to stop its running once obstruction being sensed/detected, and

a (third) radar/sensor equipping in the front of car/transportation to detect/sense and connecting device to sound/speak sonorous alarm or recorded message to driver/user at the earliest among other radars/sensors once obstruction detected/sensed by this radar/sensor, driver/user lowering car/transportation speed to avert automatic braking, of automatic voice sound system.

### Claim 2

What I claim as my invention is: Detectable automatic braking system(s) equipping in motor & engine vehicle(s)/transportation(s) of any kind(s) including automobile(s), car(s), truck(s), bus(es), van(s), train(s), motorcycle(s), tank(s), airplane(s), ship(s)~, sensor(s)/radar(s) or detectable device(s) using to sense/detect and respond by sensed/detected result to braking unit to perform automatic braking action, including:

braking by pressing or pulling function, new pedal(s), rubber boot(s), safety covers, braking position(s) against extra brake outlet(s), automatic braking pedal(s) for proper automatic braking use without causing movement of vehicle pedal, using their main parts wherein or movement of any other equipment(s), instrument(s) having braking effect including movement of force by motor, by air, by wind, by spring, by energy, of air hydraulic/oxygen (unit), of air/ liquid pump, of cylinder as nut & piston as bolt with induction coils~, braking objects including wheel(s), spindle, axis, rod, oscillator moving frame, bracket drive and/or any other object(s) with same effect, using sensors or any other wire/wireless detectable device(s) including radars, infrared

(detector) lenses, detectors, electronic eyes, lighting sensors, motion sensor detectors, sensor video cameras..., having heating effect against snow, accessories,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor rotating triangle wheel to its edge point pressing at the opposite side of upper pedal to brake, braking locked by iron switches of motor to its inner triangle wheel, brake released by switch device and spring force, of triangle wheel structure,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor rotating triangle wheel to its edge point pressing at the opposite side of upper pedal to brake, braking locked by lock device of motor to bracket arm of triangle wheel, brake released by driver's button and spring force, of triangle wheel structure Duo,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor rotating triangle wheel to its edge point pressing at the opposite side of upper pedal to brake, braking locked by lock device of motor to bracket arm of wheel, brake released by driver's button and rewind spring or using double spinning motor, of triangle wheel structure Du,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis fixing between center and rim of a round wheel, rotating at wheel summit pushing on pedal part to brake, braking locked by lock device of motor to bracket arm of wheel, brake released by driver's button and rewind spring or using double spinning motor, of round wheel structure Duo-A,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis fixing between center and rim of a round wheel, rotating at wheel summit pushing on pedal part to brake, braking locked by lock devices of motor to its inner wheel, brake released by driver's contact and spring force, of round wheel structure Duo-a,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor including its toothed spindle engaging through gear-nut of frame screwing out pressing on pedal part to brake, braking locked by lock device, released by driver's button and slotted

spindle spring force or spring linked to frame, of screw & unscrew structure Duo-B,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis engaging a tube outlet of frame with grooved end part rotated by a gear of motor, moving axis pressing on pedal part to brake, braking locked by lock device, released by driver's button and spring, of axis-gear structure Duo-C,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, an axis fixing between center and rim of a round wheel with connecting rod, pressing to an extra outlet built from brake original booster/master cylinder to brake, braking locked by lock device and released by driver's button using revert spring force at back spin, of extra outlet structure Duo-D,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting oscillator moving the frame, pushing an extra outlet with hose, with a connecting rod kit in air releasing spring unit placing with ball bearing centered to a wheel, pressing to a rubber cover wheel manufactured as a part of double pulley rotated by car engine to brake, braking locked by lock device, released by driver's contact, of moving frame structure Duo-E,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting motor to drive a rectangular bracket pressing on pedal part to brake, braking locked by lock device, released by driver's button and spring force, of bracket drive structure Duo-F,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting motor to rotate its bar pressing on pedal part to brake, inner wheel locked by lock device inside motor during braking, released by driver's button and rewind spring, of direct spin structure Duo-G,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting motor to rotate its oval wheel pressing on pedal part to brake, wheel locked by lock device, released by driver's button and rewind spring, of oval wheel structure Duo-H, and/or

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting motor to rotate

its hexagonal wheel pressing on pedal part to brake, inner wheel locked by lock device inside motor during braking, released by driver's button and rewind spring, of hexagonal wheel structure Duo-I,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, sensor(s)/radar(s) or detectable device(s) automatically reacting both functioning of motor braking and pressing button standby of mini-motor which being able to rotate to draw lock device resulting from earlier pressing action releasing the brake automatically just after sensor(s)/radar(s) sensing/detecting free, of automatic releasing process,

detectable automatic braking system referring to claim 2, wherein brake motor be fixed between supporting springs, appropriate motor rotating at a speed to brake a car/transportation fast enough to stop its running, if using motor spinning at both sides: one side to brake and the other side to release at low speed replacing spring force, in which switch turning brake motor off prior to braking and locking, lock including pushing a bracket over edge point of a bar/rod under spring force be blockade in device and releasing by cable drawing opposite side of rod, of lock device,

detectable automatic braking system referring to claim 2, wherein automatic water switch equipped to be connected by raining water between electric wires to turn on second sensor/radar in the front of car/transportation for sensing/detecting at a longer distance to earlier stop car/transportation running on wet, drying water by wind to extinguish the function of second sensor/radar after raining over, of automatic water switch,

detectable automatic braking system referring to claim 2, wherein once obstruction being sensed/detected, the third sensor/radar automatically reacting both motor braking and mini-motor of rotating to draw cable/any to unlock lock device, to brake and to release while sensor(s)/radar(s) sensing/detecting free to lower car/transportation speed safely at a longer distance, or using a second braking unit without lock for third sensor/radar, in which a revert timer be installed to switch off third sensor/radar for certain minutes letting car/transportation approach closer during heavy traffic, of automatic lower speed system,

detectable automatic braking system referring to claim 2, wherein color signal sonorous lamp or recorded message device being "on" showing/reacting to driver/user while entire braking system being "off", driver/user being able to switch off the entire system by a driver/user contact when necessary or driver/user finding impossible to balance his car/transportation on ice-covered road if braking operating, in which a thermostat installed to disconnect color

signal sonorous lamp/device in winter snow, of automatic safety system,

detectable automatic braking system(s) referring to claim 1 & 2 and Automatic stop lamp system, Detectable automatic (alarm) system(s) in claim 3 wherein the invention(s) in these documents include(s) the original elements, composition, function, structures, process of making, contents, illustrations, installation, any other structure(s), modification(s), replacement of part(s) assembling to make up the same system(s) or to perform similar device(s) referring to their original fundamentals to the same effect and/or combining the invention(s) with any other device(s), system(s) using other naming are in the scope of the protection of the invention, the invention be used everywhere.

### Claim 3

What I claim as my invention is:

Automatic stop lamp system for traffic light, including:

extra lamp(s) equipped for traffic light at a position to focus its beam at lighting zone limit on red to stop cars advancing on red that its beam has capacity to react function of Detectable automatic braking system(s) on sensor(s)/radar(s) of front car(s),

and

Detectable automatic alarm system using for motor/engine vehicle(s) of any kind(s) including automobile(s), car(s), truck(s), bus(es), van(s), train(s), motorcycle(s), airplane(s), ship(s)... including:

small sensor(s)/radar(s) or detectable device(s) equipping at both sides of a transportation connecting device to sound sonorous alarm or speak recorded message to driver, indicator showing color signal lamp: right or left side be sensed/detected once running transportations extremely approaching each other, and

extra sensors/radars or detectable devices equipping for right & left mirrors/sides of car/ transportation, sensor(s)/radar(s) back sensing/detecting during turning for connecting sonorous (signal) alarm or voice device (on indicator) sounding/speaking to driver/user if rear car/ transportation being sensed/detected by sensor/radar at a distance while signal lamp being on.